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 TI Aliphatic polyamineamide resins
 IN Witek, Edward
 PA Politechnika Lodzka, Pol.
 SO Pol., 4 pp.
 CODEN: POXXA7
 DT Patent
 LA Polish
 IC C08G069-28
 CC 37-3 (Plastics Manufacture and Processing)
 FAN.CNT 1

PL 130,185

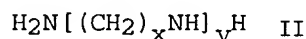
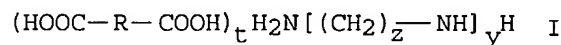
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	PL 130185	B2	19840731	PL 1982-239110	19821117
PRAI	PL 1982-239110		19821117		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
PL 130185	IC	C08G069-28

GI



AB Aliph. polyamineamide resins are produced by condensation of $\text{H}_2\text{N}[(\text{CH}_2)_z\text{NH}]_y \text{H} \cdot x\text{R}(\text{CO}_2\text{H})_2$ (R = C2-8 alkylene, x = 2-4; y .gtoreq. 2; z .gtoreq. 2) with $\text{H}_2\text{N}[(\text{CH}_2)_w\text{NH}]_v \text{H}$ (w .gtoreq. 2; v .gtoreq. 0) at 1:0.2-1.4 molar ratio at .ltoreq.10.degree. above the salt m.p. and pressure not exceeding atm. pressure. The products are suitable as adhesives and hardeners for epoxy resins, and components of thermoplastic resins. Thus, diethylenetriamine succinate (m.p. 117-118.degree., primary amine/carboxylic group ratio 1:2) was melted with stirring, and 10.3 g diethylenetriamine was added to obtain a primary amine/carboxylic group ratio of 1:1. Condensation was done with stirring during 6 h in air at 110.degree.. The resulting polyamineamide resin was sol. in water and alc., and had an amine no. of 106 mg KOH/g.

ST polyamide polyamine prepn; crosslinker polyamineamide **epoxy resin**; adhesive polyamineamide; succinic acid diethylenetriamine copolymer

IT Polymerization
 (of polyamine dicarboxylic acid salts with polyamines)

IT Adhesives
 (polyamine-polyamides for)

IT Crosslinking agents
 (polyamine-polyamides, for **epoxy resins**)

IT **Epoxy resins**, uses and miscellaneous
 RL: USES (Uses)
 (polyaminepolyamides, manuf. of)

IT Polyamines
 RL: PREP (Preparation)

(polyamide-, prepn. of, as adhesives and epoxy resin crosslinkers)

IT Polyamides, preparation

RL: PREP (Preparation)

(polyamine-, prepn. of, as adhesives and epoxy resin crosslinkers)

IT 25085-20-5P, Adipic acid-diethylenetriamine copolymer

28349-07-7P, Diethylenetriamine-succinic acid copolymer 110633-05-1P

110633-06-2P 110633-07-3P 110633-08-4P

RL: PREP (Preparation)

(prepn. of, as adhesives and epoxy resin crosslinkers)